

ROLLING CIRCLE REPLICATION PRIMER

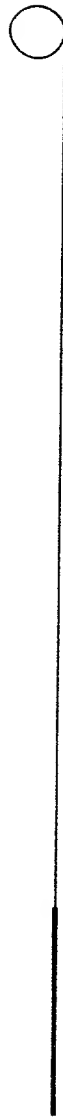
TERMINAL REPEAT CIRCLE

OLIGONUCLEOTIDE WITH RECOGNITION  
SEQUENCE FOR RESTRICTION ENDONUCLEASE  
AND PRIMER SEQUENCE COMPLEMENTARY TO  
TERMINAL REPEAT CIRCLE



CIRCULAR DNA CONTAINING SEQUENCE  
FOR GENERATION OF ALTR

*FIG. 1A*



GENERATION OF SINGLE-STRANDED REPEATS BY ROLLING CIRCLE  
REPLICATION

*FIG. 1B*



GENERATION OF SECOND STRAND BY TANDEM PRIMERS

*FIG. 1C*



DOUBLE-STRANDED ALTR WITH TAIL SEQUENCE REMAINS AFTER  
REMOVAL OF ssDNA.  
THE LIGATABLE TERMINUS IS GENERATED BY CLEAVAGE WITH A  
SPECIFIC RESTRICTION ENDONUCLEASE

*FIG. 1D*

GENOMIC DNA FRAGMENT

FIG. 2A

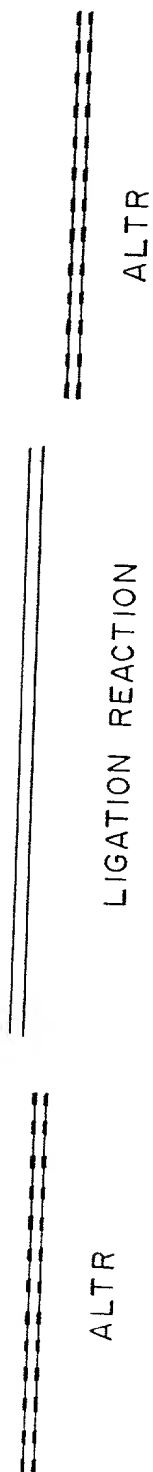


FIG. 2B



GENOMIC DNA FRAGMENT WITH LIGATED ALTRs

FIG. 2C

04750"0255860

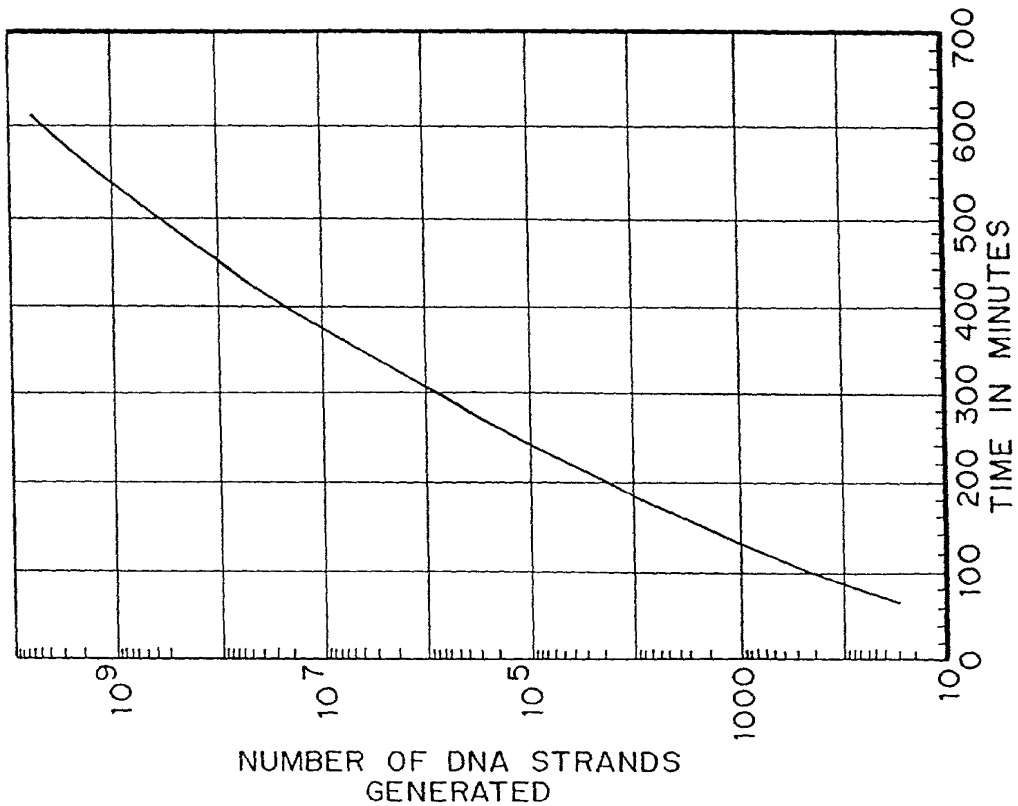


FIG. 4

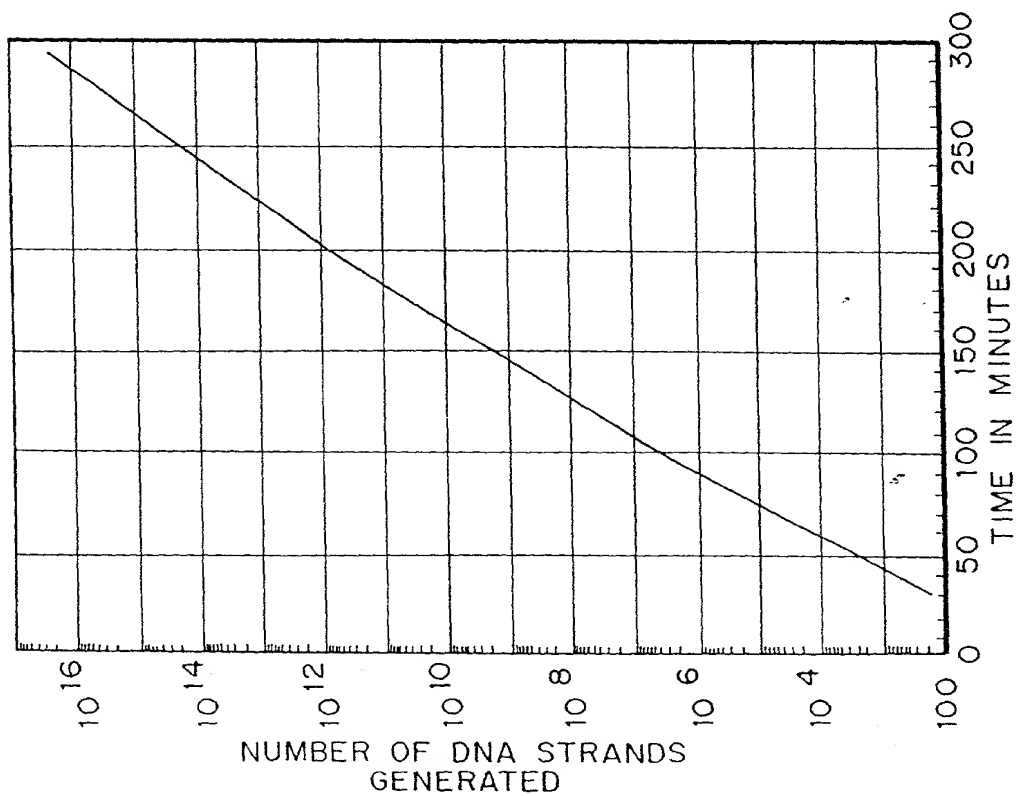


FIG. 3